

1/22

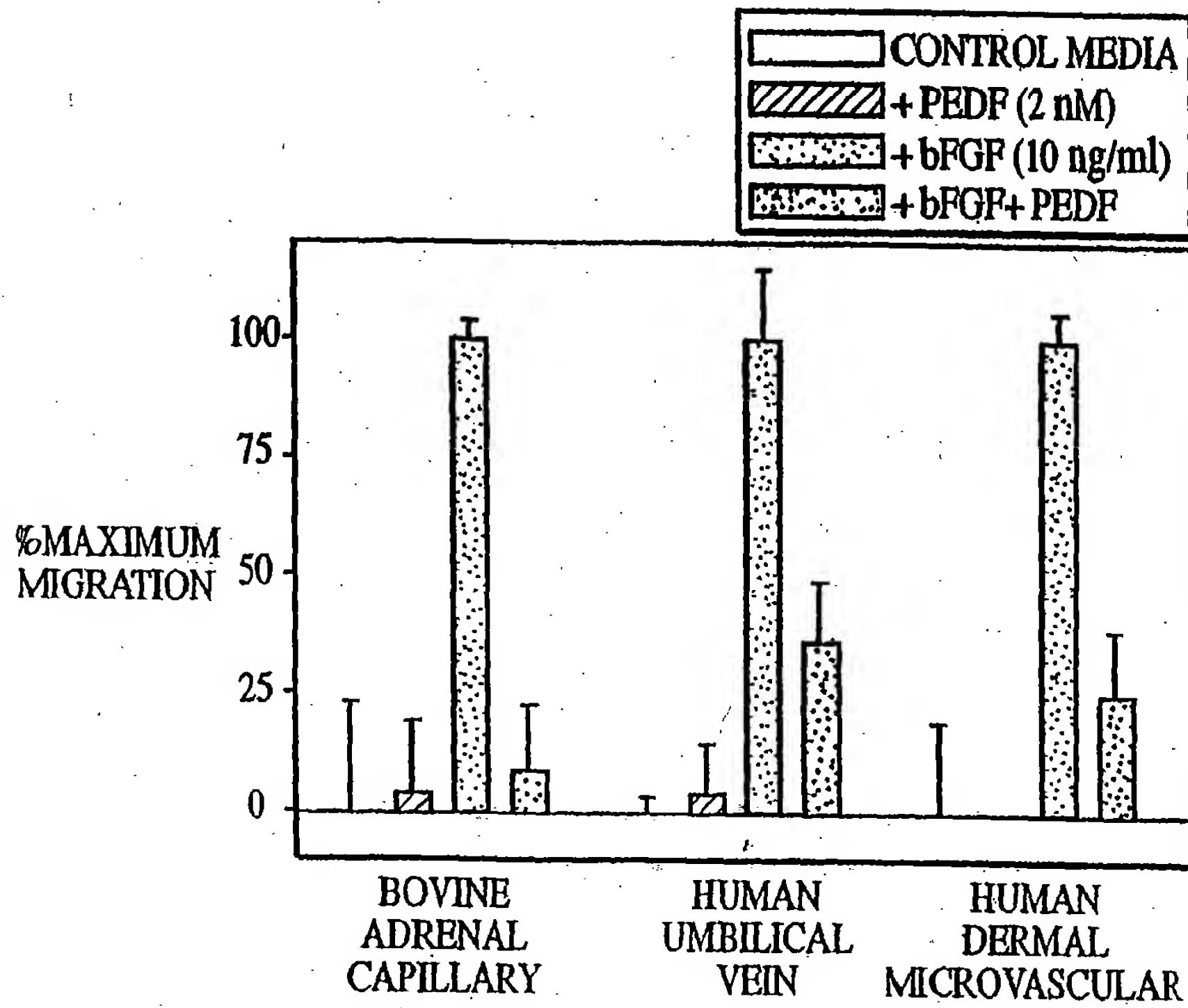


FIG. 1

2/22

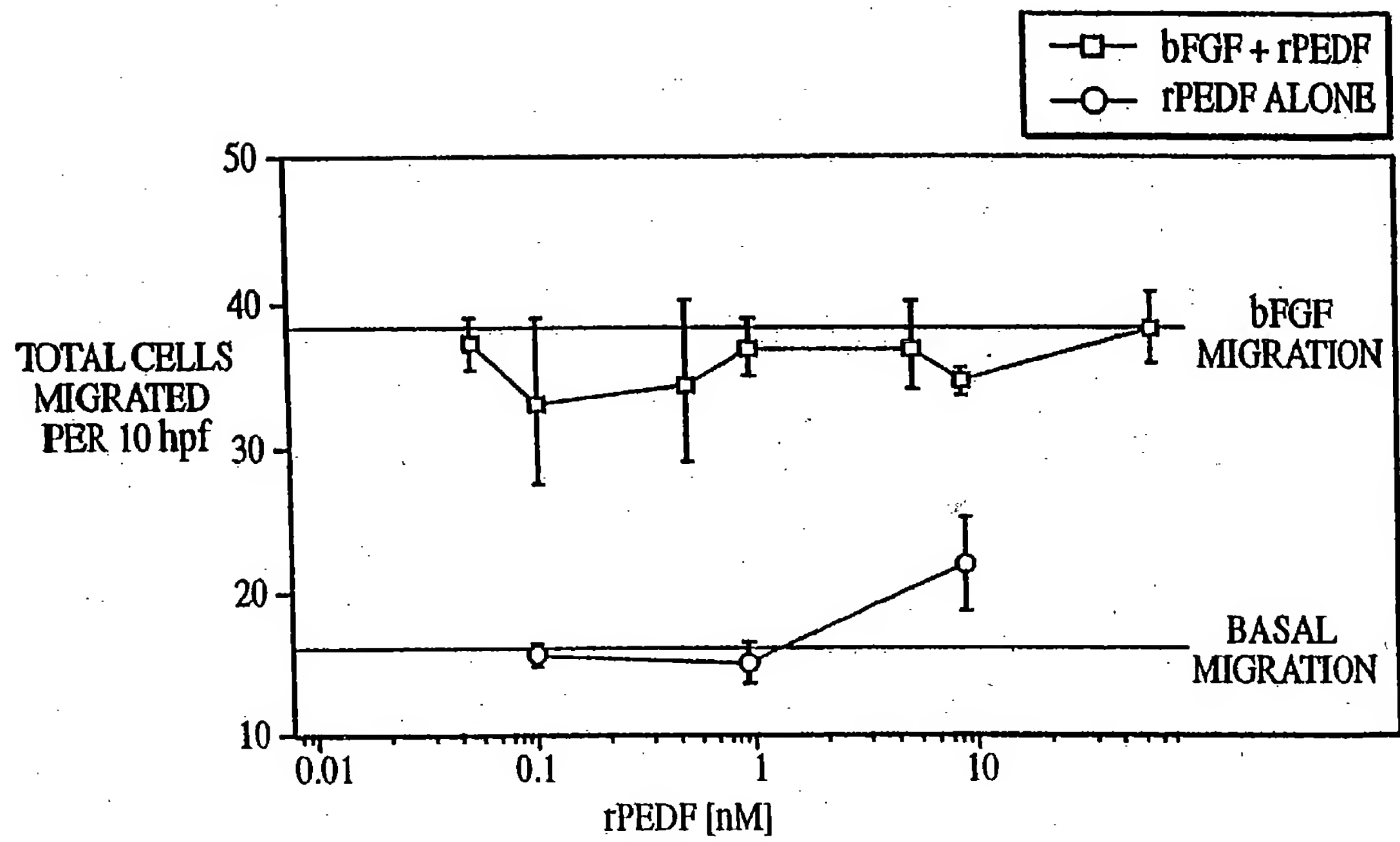


FIG. 2A

3/22

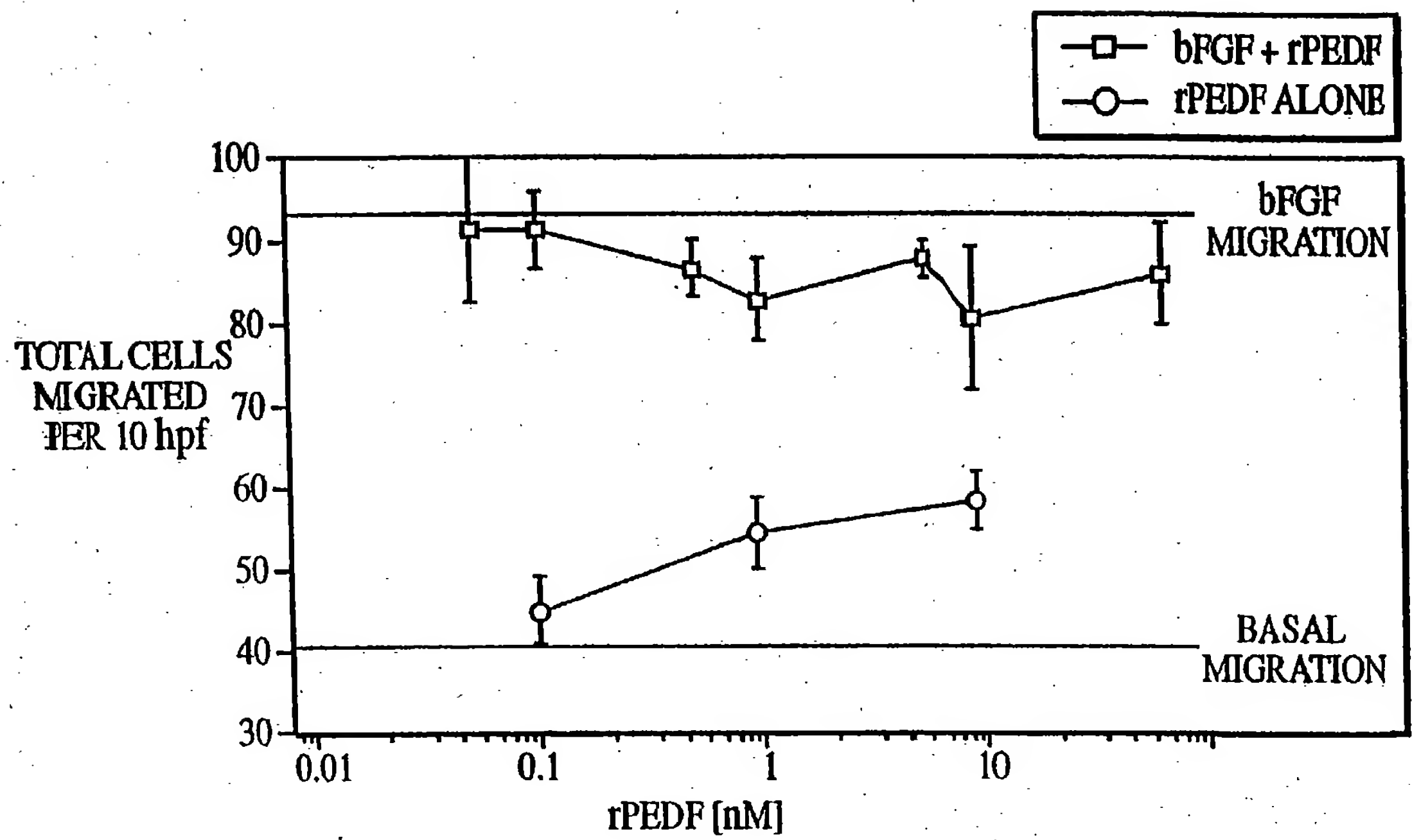


FIG. 2B

4/22

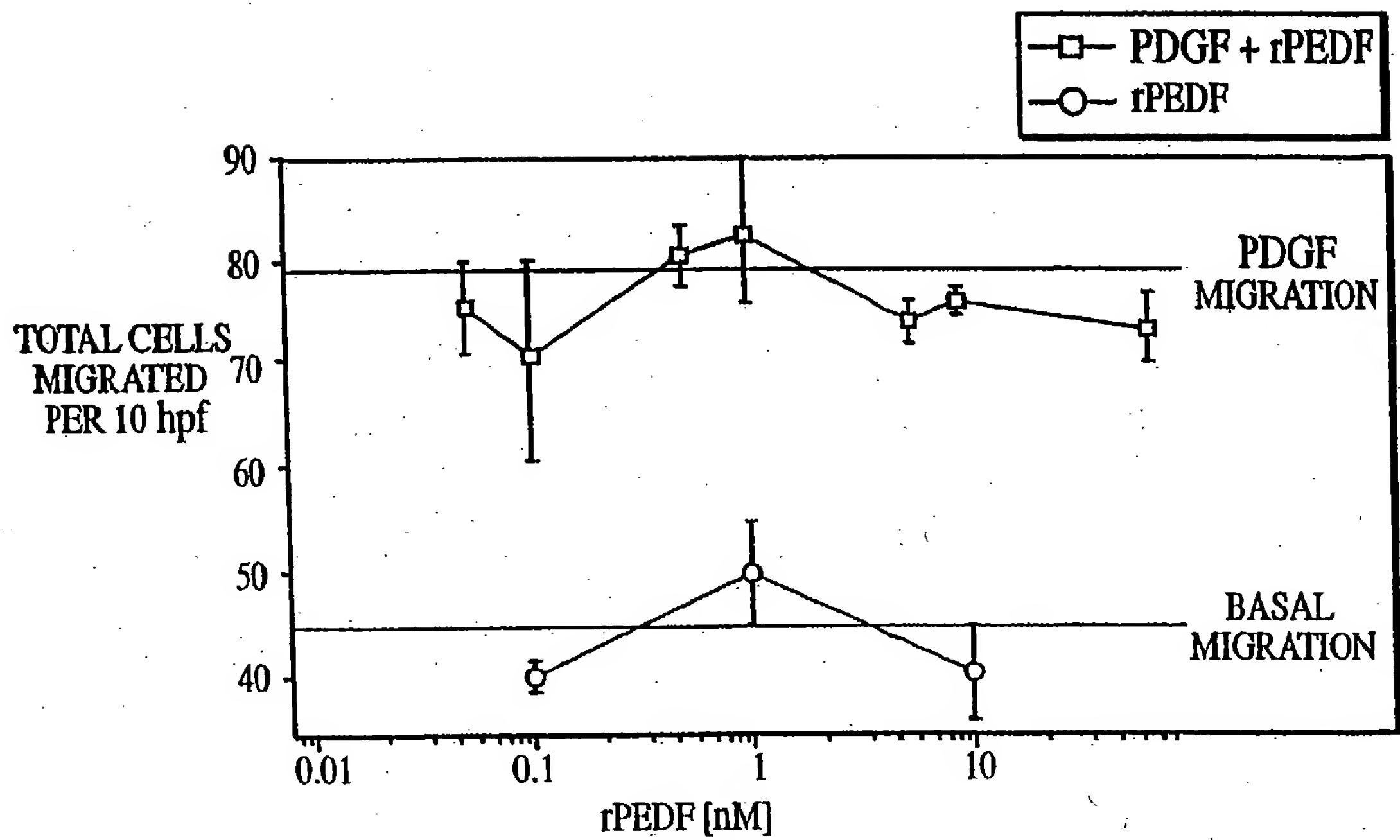


FIG. 2C

5/22

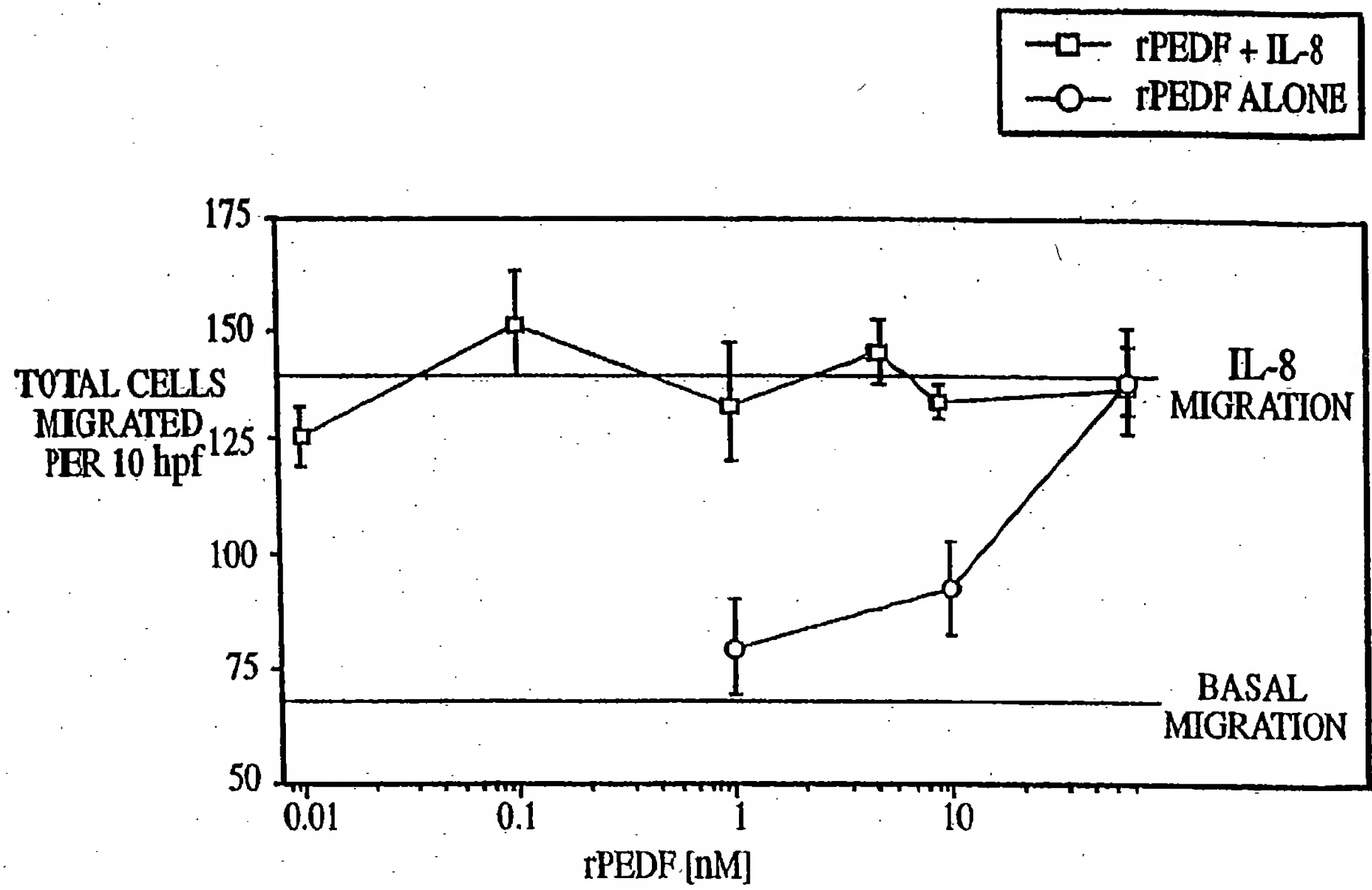


FIG. 2D

6/22

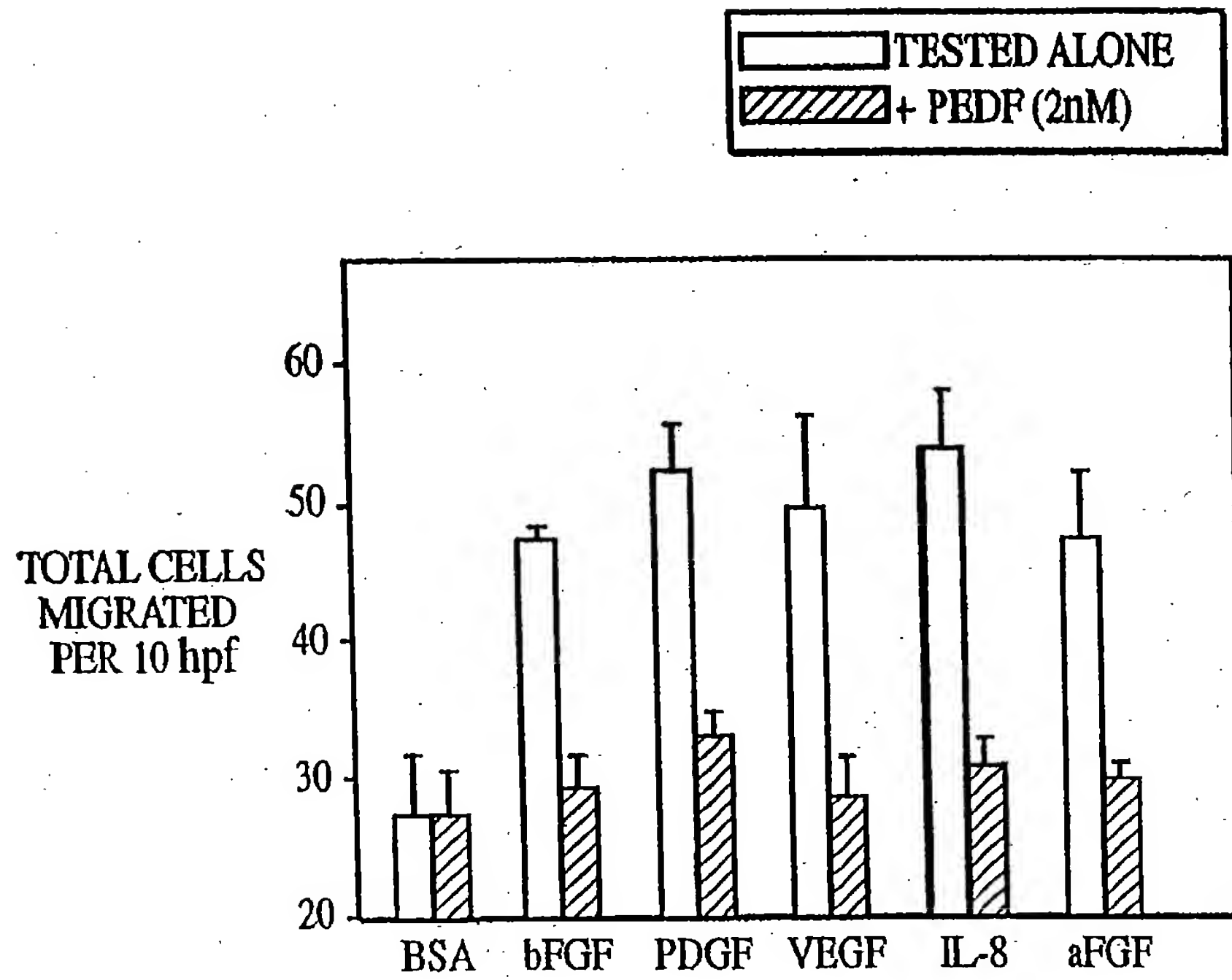


FIG. 3

7/22

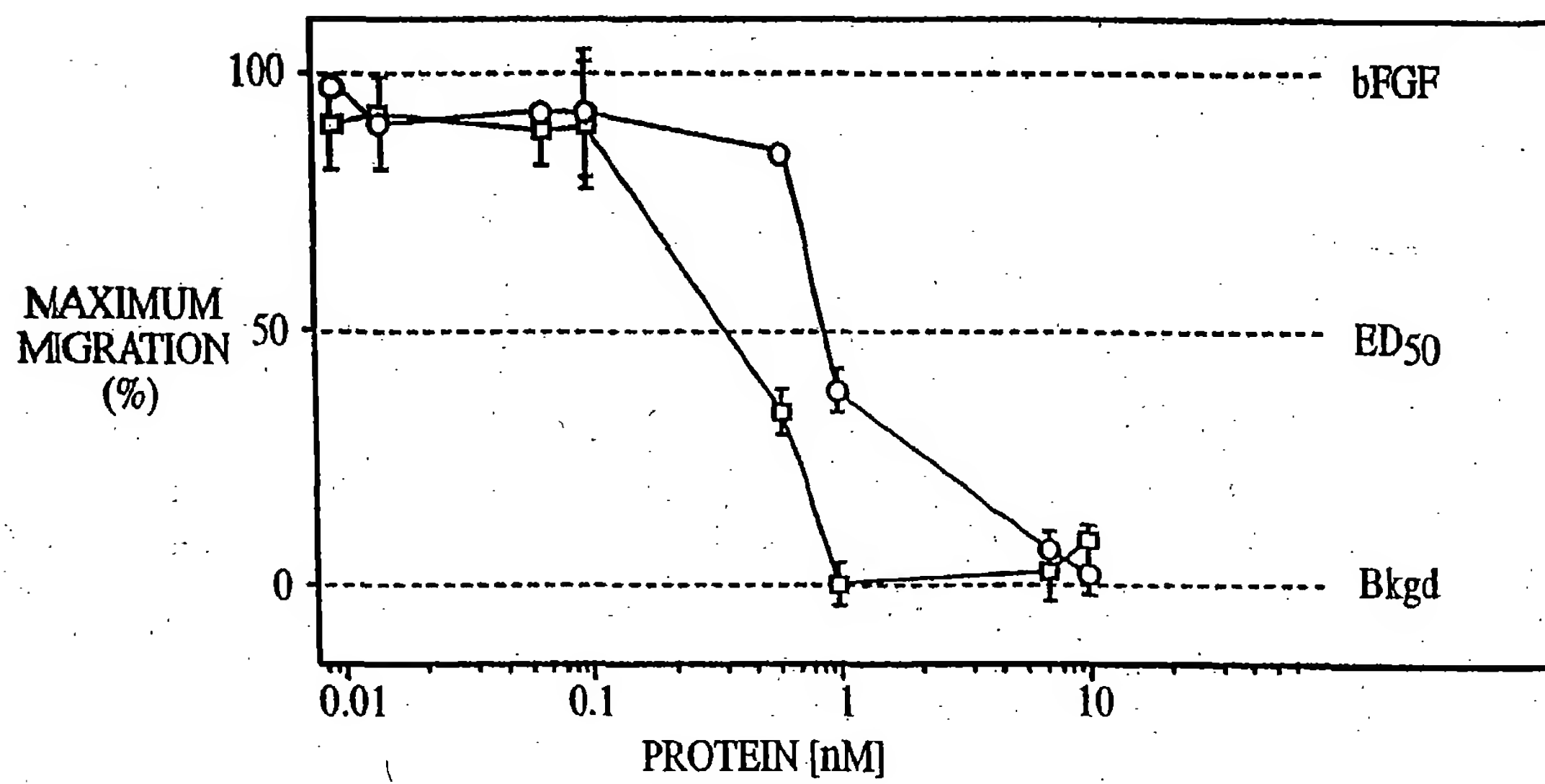


FIG. 4

8/22

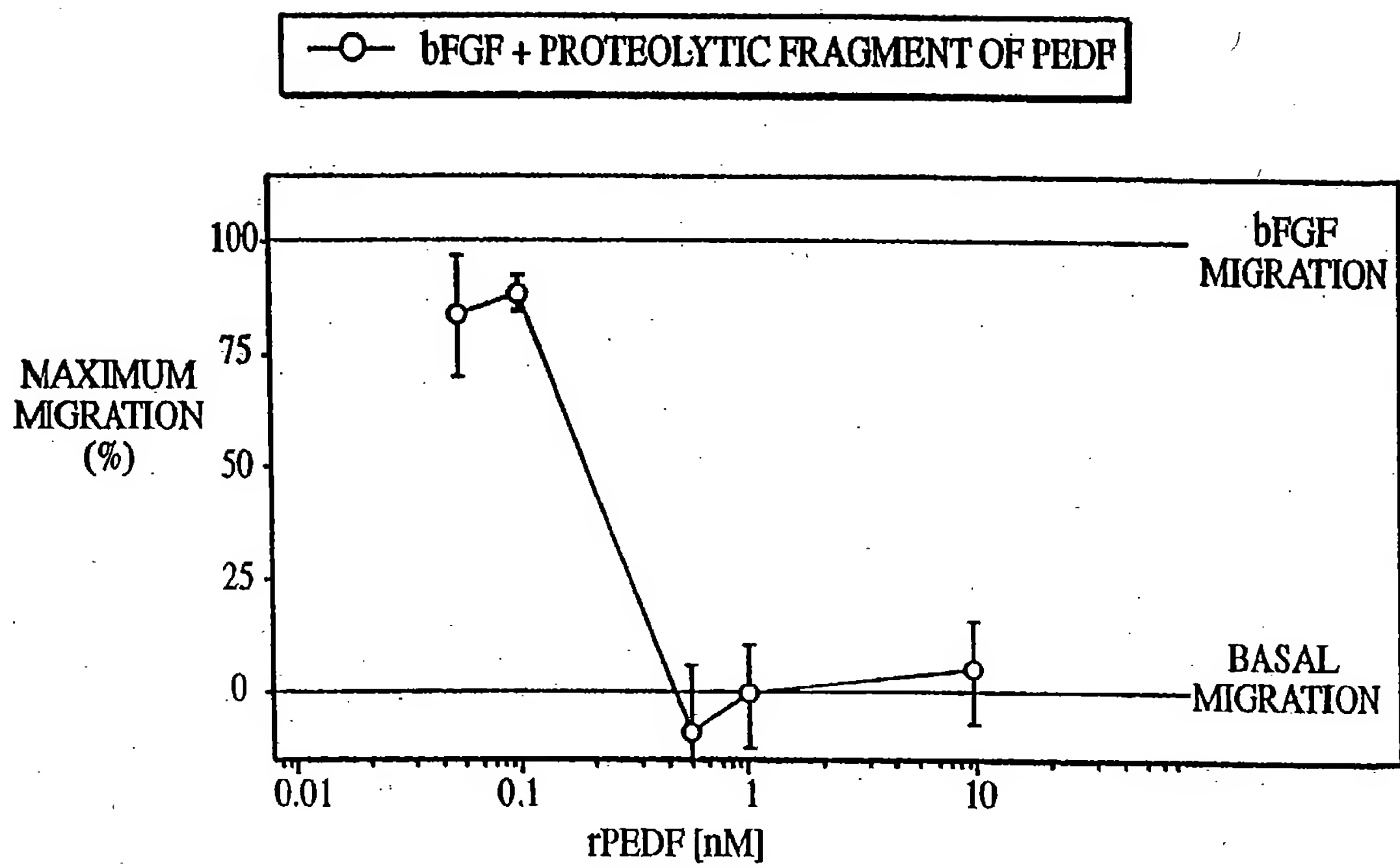


FIG. 5



9/22

MQALVLLLCIGALLGHSSCQNPASPP EEGSPDPD  
STGALVEEEDPFFKVPVNKLAAAVSNFGYDLRV  
RSSMSPTTNVLLSPLSVATALSALSLGADERTE  
IIHRALYYDLISSPDIHGTYKELLDTVTAPQKNL  
KSASRIVFEKKLRIKSSFVAPLEKSYGTRPRVLT  
GNPRLDLQEINN WVQAQMKGKLARSTKEIPDEIS  
ILLGVAHFKGQWVTKFDSRKTSLEDFYLDEERT  
VRVPMMSDPKAVLRYGLDSDLSCKIAQLPLTGSM  
SIFFFLPLKVTQNLTLIEESLTSEFIHDIDRELK  
TVQAVLTVPKLKLSEGEVTKSLQEMKLQSLFDS  
PDFSKITGKPIKLTQVEHRAGFEWNEDGAGTPS  
PGLQPAHLTFPLDYHLNQPFIFVLRD TDTGALLE  
IGKILDPRGP

FIG. 6A

10/22

FIG. 6B

GGACGCTGGA TTAGAAGGCA GCAAAAAAG ATCTGTGCTG GCTGGAGCCC CCTCAGTGTG CAGGCTTAGA  
 GGGACTAGGC TGGGTGTGGA GCTGCAGCGT ATCCACAGGC CCCAGGATGC AGGCCCTGGT GCTACTCCTC  
 TGCATTTGGAG CCTTCCTCGG GCACAGCAGC TGCCAGAACC CTGCCAGCCC CCGGAGGAG GGCTCCCCAG  
 ACCCCGACAG CACAGGGGGG CTGGTGGAGG AGGAGGATCC TTTCTTCAAA GTCCCCGTGA ACAAGCTGGC  
 AGCGGCTGTC TCCAACTTCG GCTATGACCT GTACCGGGTG CGATCCAGCA TGAGCCCCAC GACCAACGTG  
 CTCCTGTCTC CTCTCAGTGT GGCCACGGCC CTCTCGGCC TCTCGCTGG AGCGGACGAG CGAACAGAAAT  
 CCATCATTTCA CCGGGCTCTC TACTATGACT TGATCAGCAG CCCACACATC CATGGTACCT ATAAGGAGCT  
 CCTTGACACG GTCACTGCCC CCAGAAGAA CCTCAAGAGT GCCTCCCCGA TCGTCTTTGA GAGAAGCTR  
 CGCATAAAAT CCAGCTTTGT GGACCTTGCA GAGATCAACA ACTGGGTGCA GGCGCAGATG AAAGGGAAGC TCGCCAGGTC  
 ACCCTCGCTT GGACCTTGCA GAGATCAACA ACTGGGTGCA GGCGCAGATG AAAGGGAAGC TCGCCAGGTC  
 CACAAAGGAA ATTCCCAGATG AGATCAGCAT TCTCCTTCTC GGTGTGGCG ACTTCAAGG GCAGTGGGTA  
 ACAAGTTTG ACTCCAGAA GACTTCCCTC GAGGATTTCT ACTTGGATGA AGAGAGGACC GTGAGGGTCC  
 CCATGATGTC GGACCCCTAAG GCTGTTTAC GCTATGGCTT GGATCAGAT CTCAGCTGCA AGATTGCCCA  
 GCTGCCCTTG ACCGGAAGCA TGAGTATCAT CTTCCTCCTG CCCCTGAAAG TGACCCAGAA TTTGACCTTG  
 ATAGAGGAGA GCCTCACCTC CGAGTTCAAT CATGACATAG ACCGAGAACT GAGAGCCGTG CAGGCGGTCC  
 TCACTGTCCC CAAGCTGAGG CTGAGTTACG AAGCGAAGT CACCAAGTCC CAGCAAGGAG TGAAGCTGCA  
 ATCCTTGTTT GATTCACCAG ACTTTAGCAA GATCACAGGC AAACCCATCA AGCTGACTCA GGTGGAACAC  
 CGGGCTGGCT TTGAGTGGA CGAGGATGGG GCGGGAACCA CCCCAGCCC AGGCTGCAG COTGCCACC  
 TCACCTTCCC GCTGGACTAT CACCTTAACC AGCCTTTCAT CTTCGTACTG AGGACACAG ACACAGGGGC  
 CCTTCTCTTC ATTGGCAAGA TTCTGGACCC CAGGGGCCCC TAATATCCCA GTTTAATAATT CCAATACCTT  
 AGAAGAAAC CCGAGGGACA GCAGATTCCA CAGGACACGA AGGCTGCCCC TGTAAAGTTT CAATGCATAC  
 AATAAAGAG CTTTATCCCT

11/22

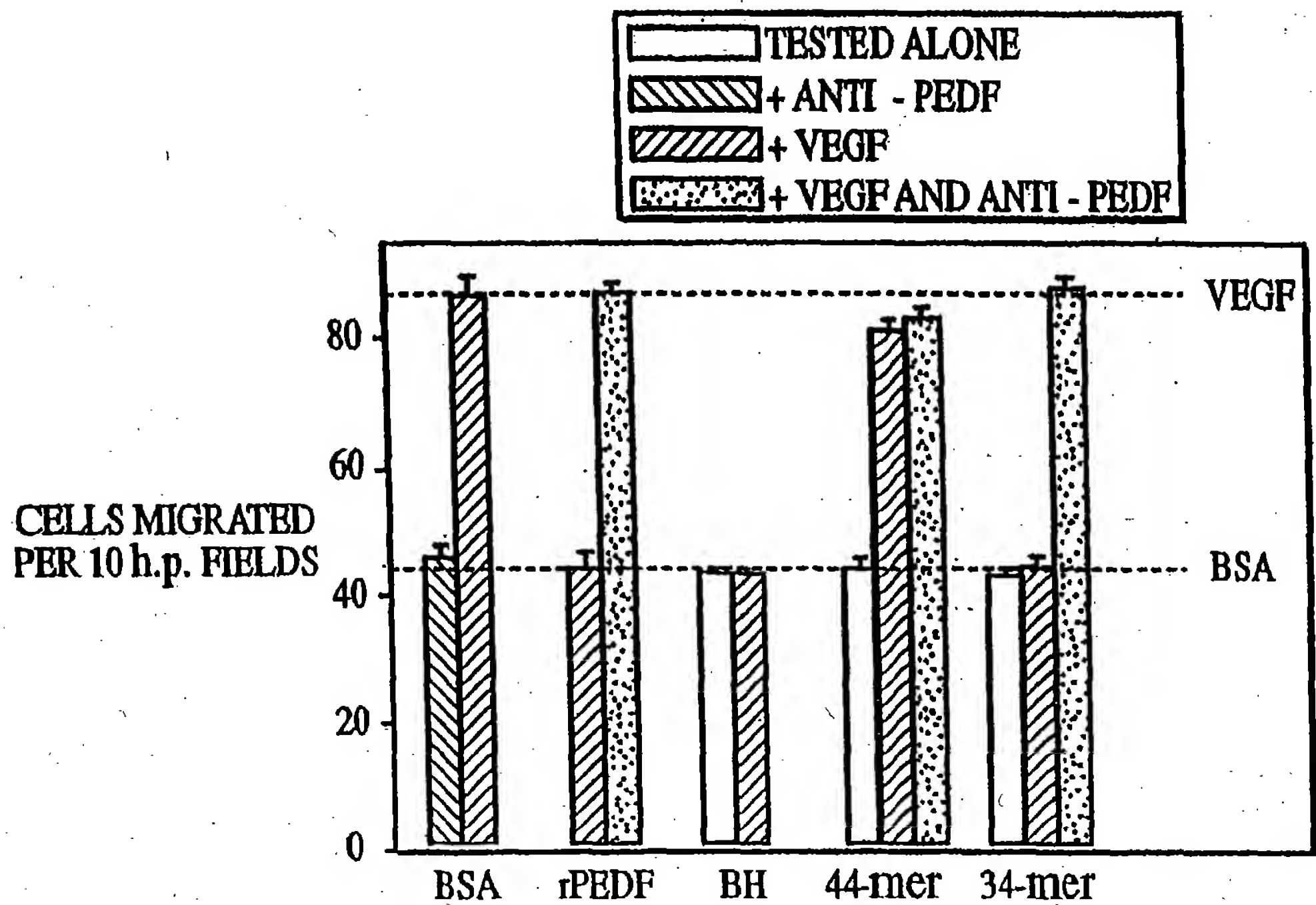


FIG. 7A

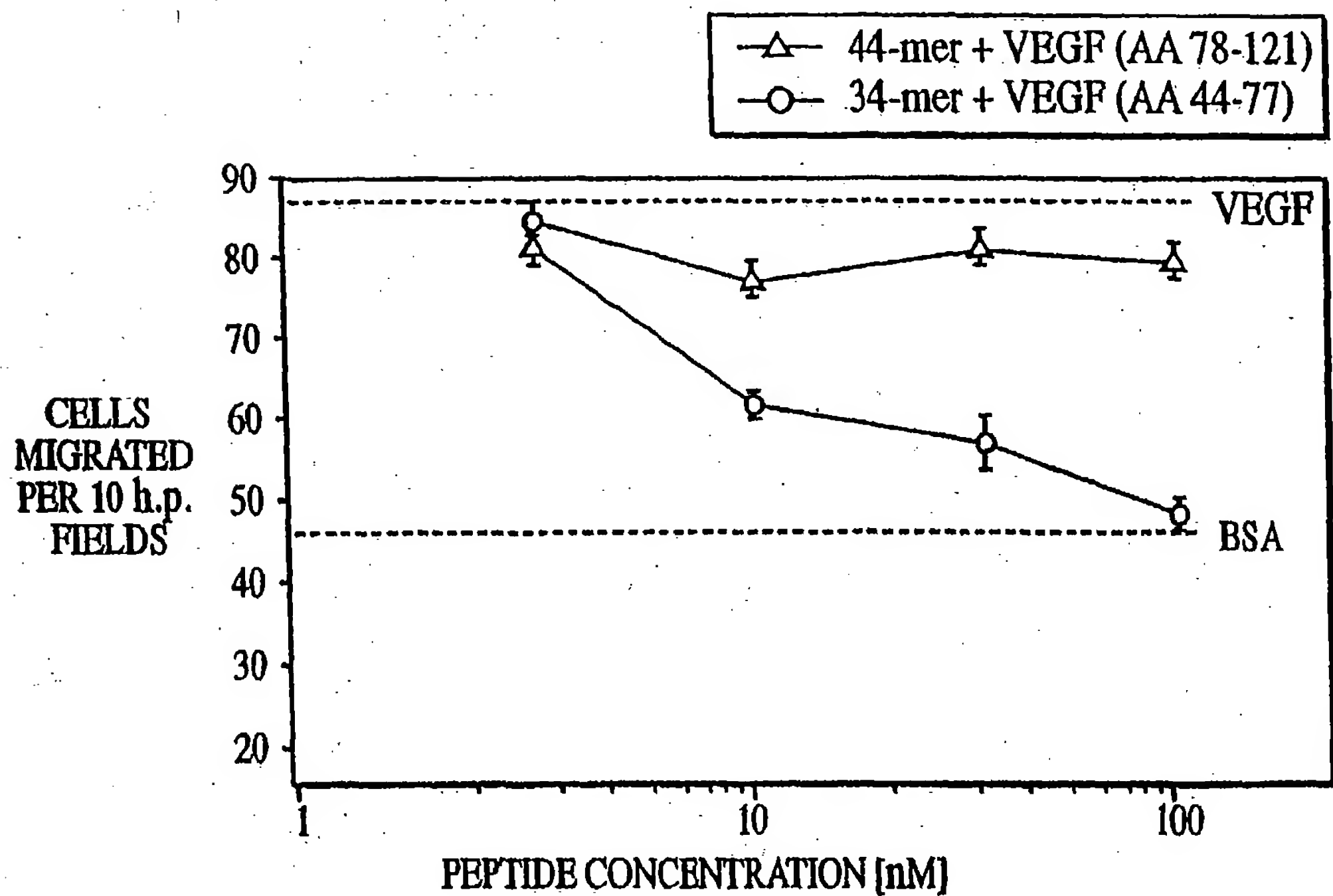


FIG. 7B

12/22



FIG.8A



FIG.8B



FIG.8C

13/22

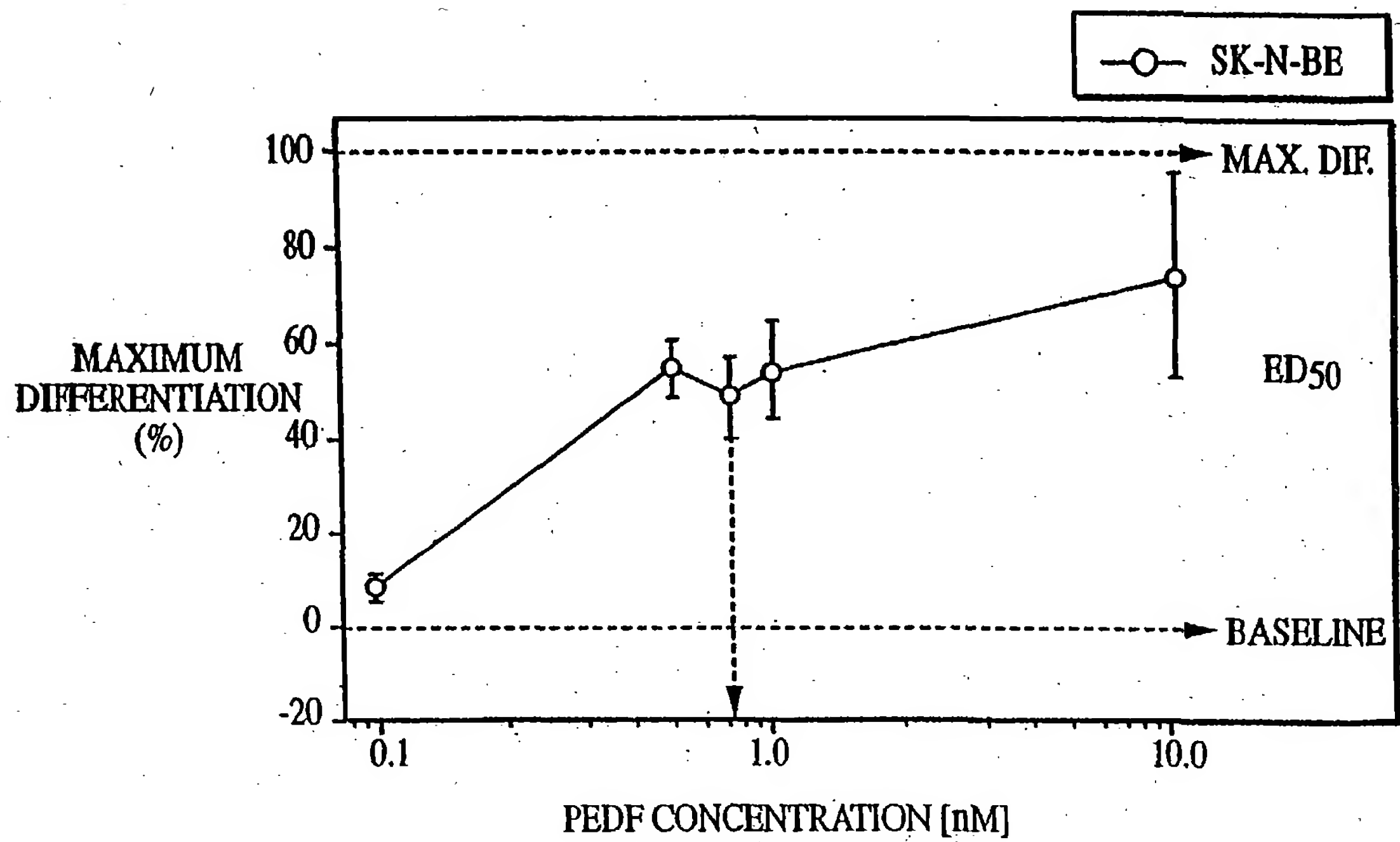


FIG. 9A

14/22

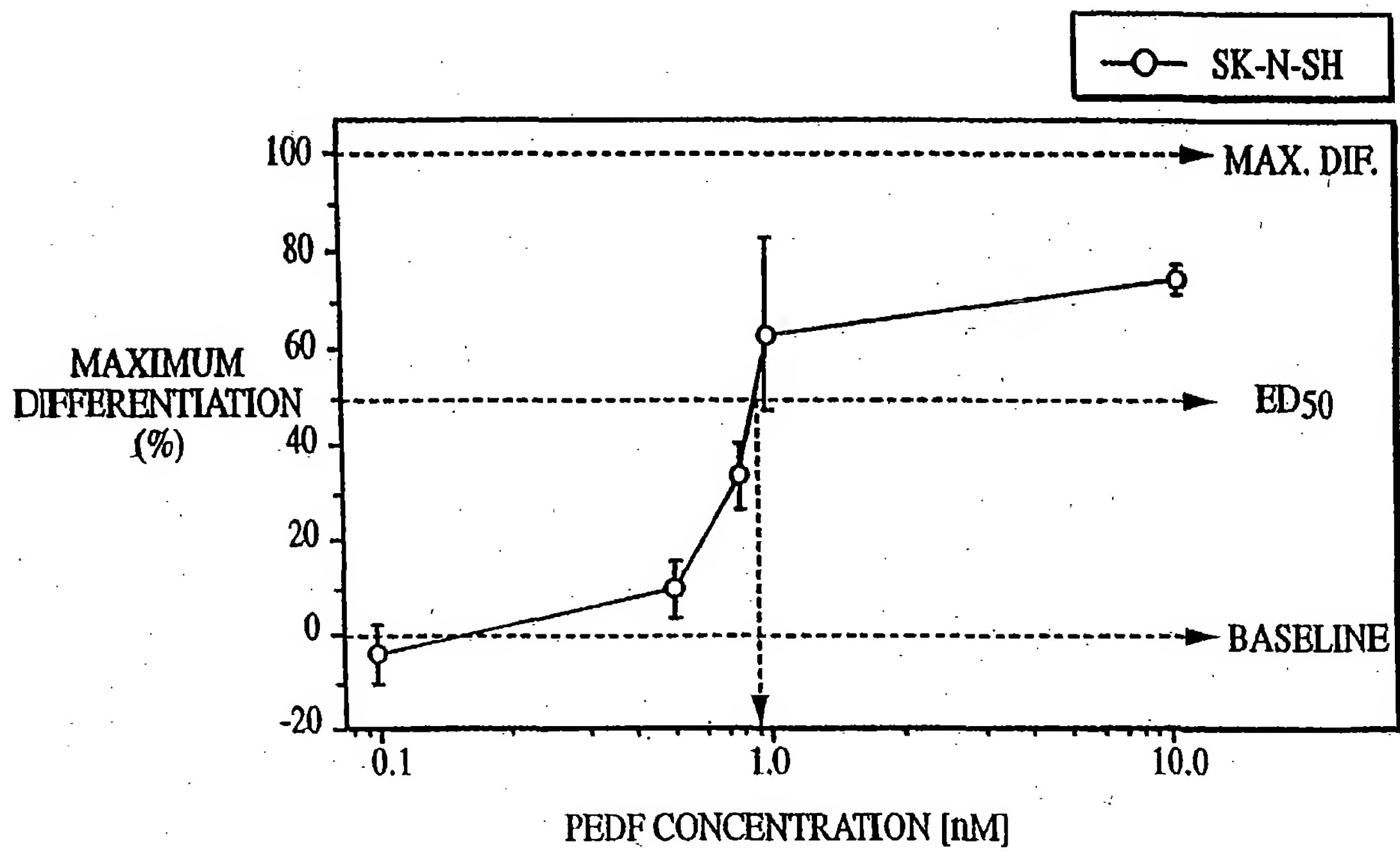


FIG. 9B



15/22



FIG.10A



FIG.10B

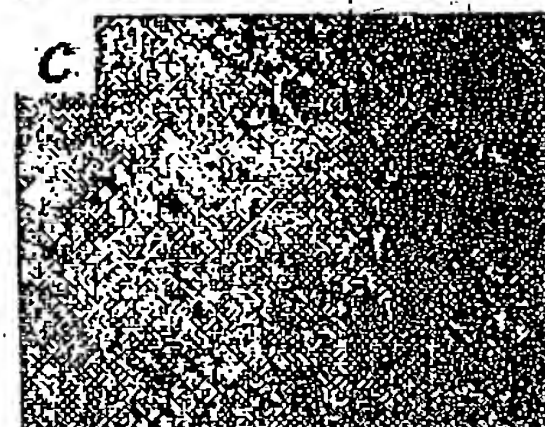


FIG.10C

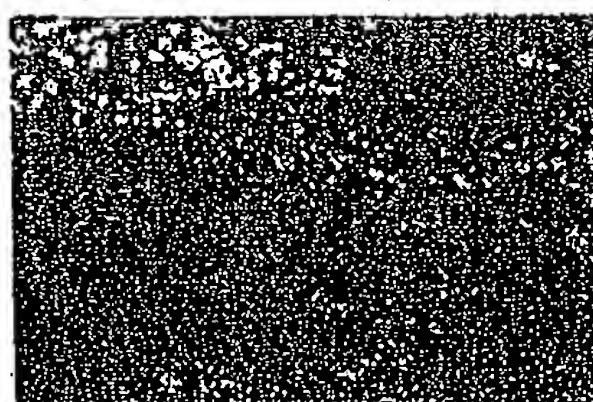


FIG.11A

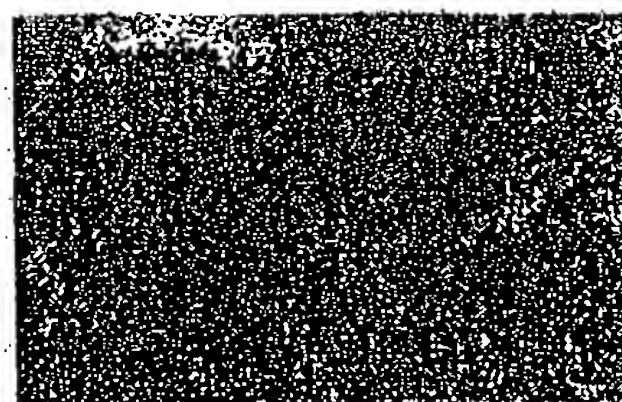


FIG.11B



FIG.11C

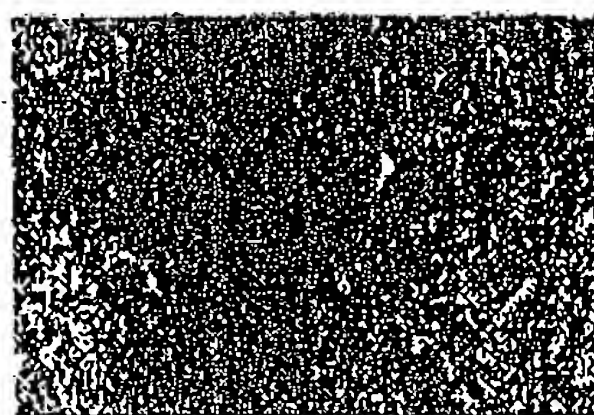


FIG.11D

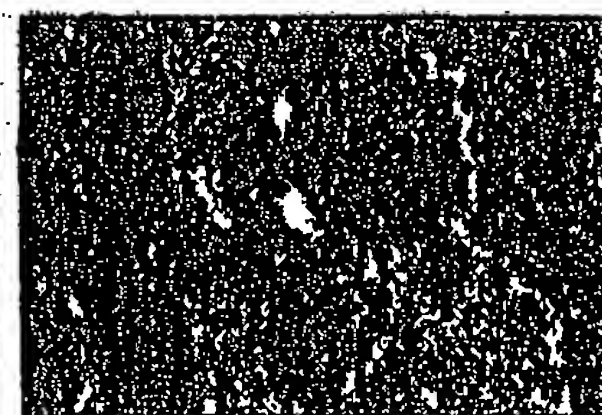


FIG.11E

16/22

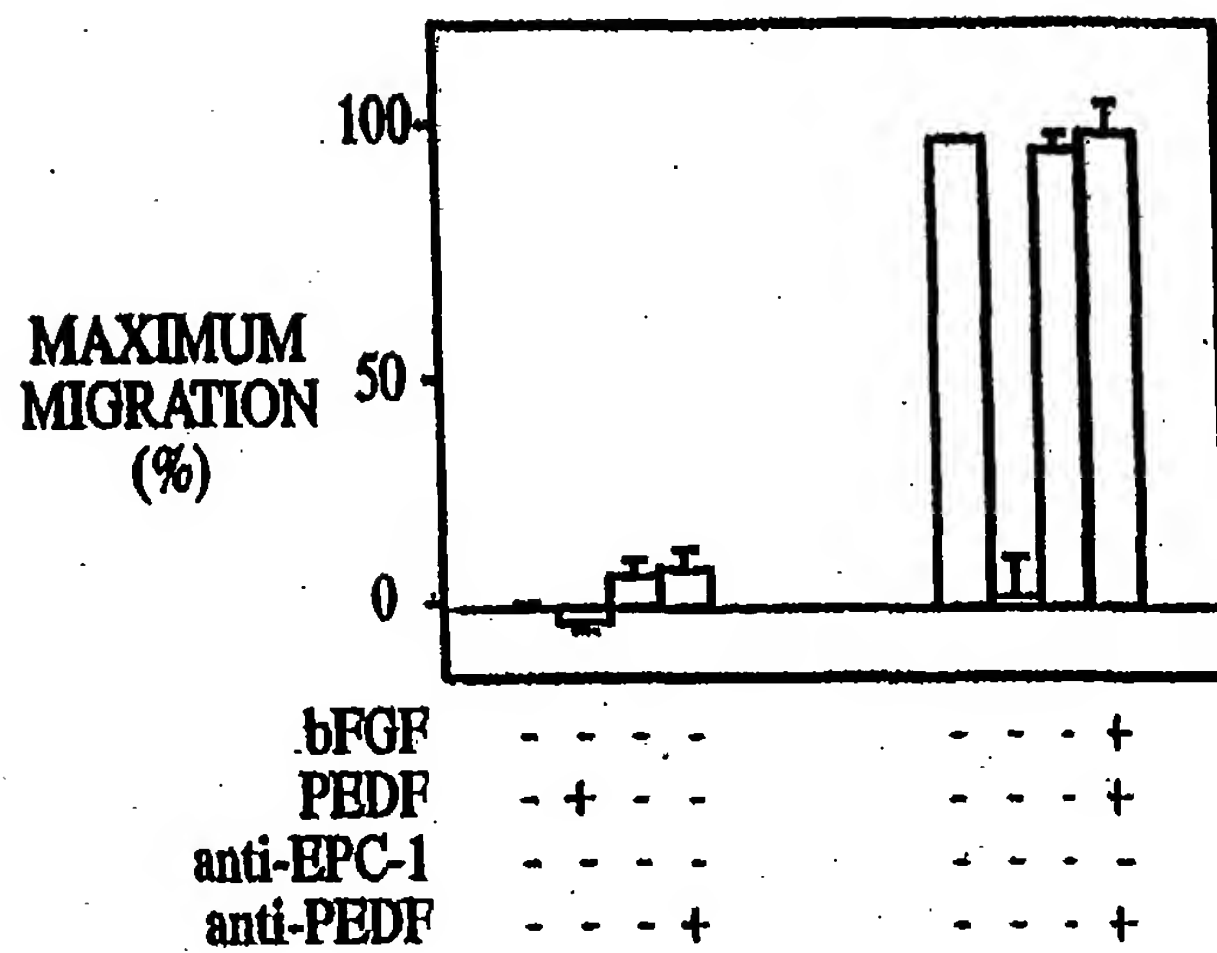


FIG. 12A

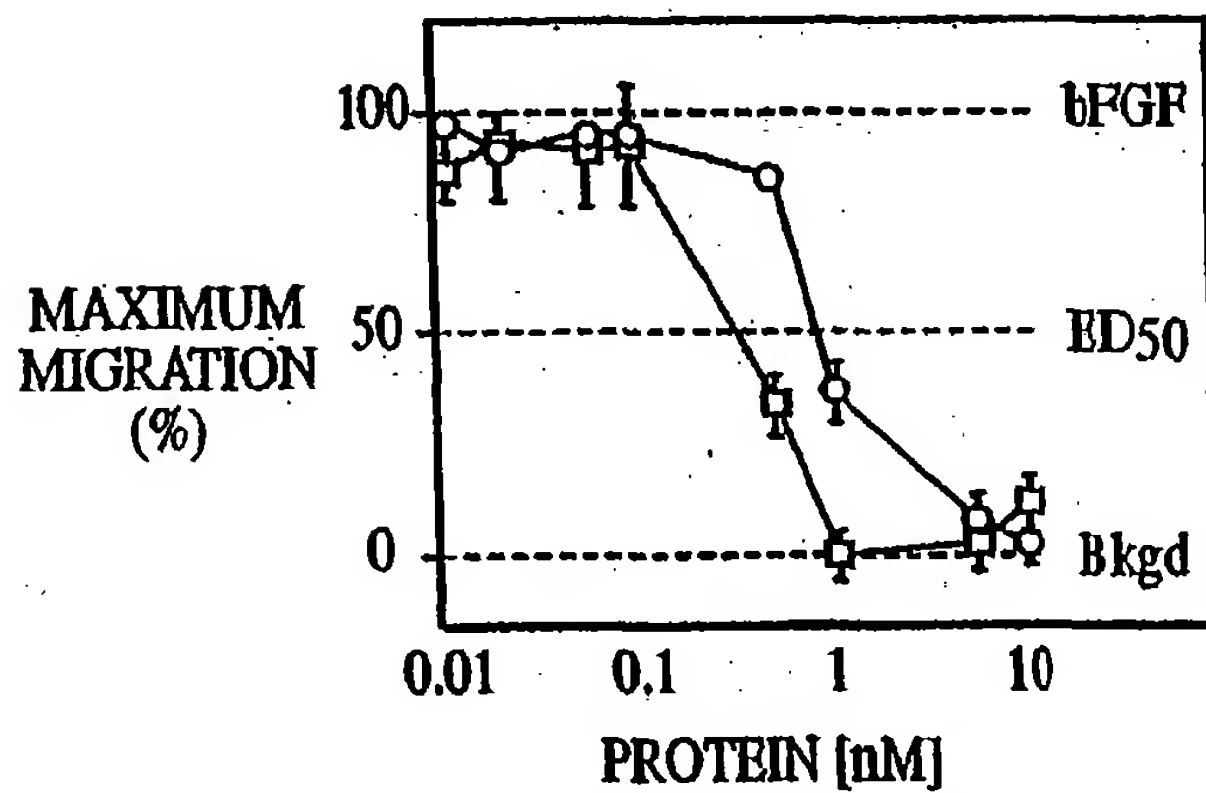


FIG. 12B

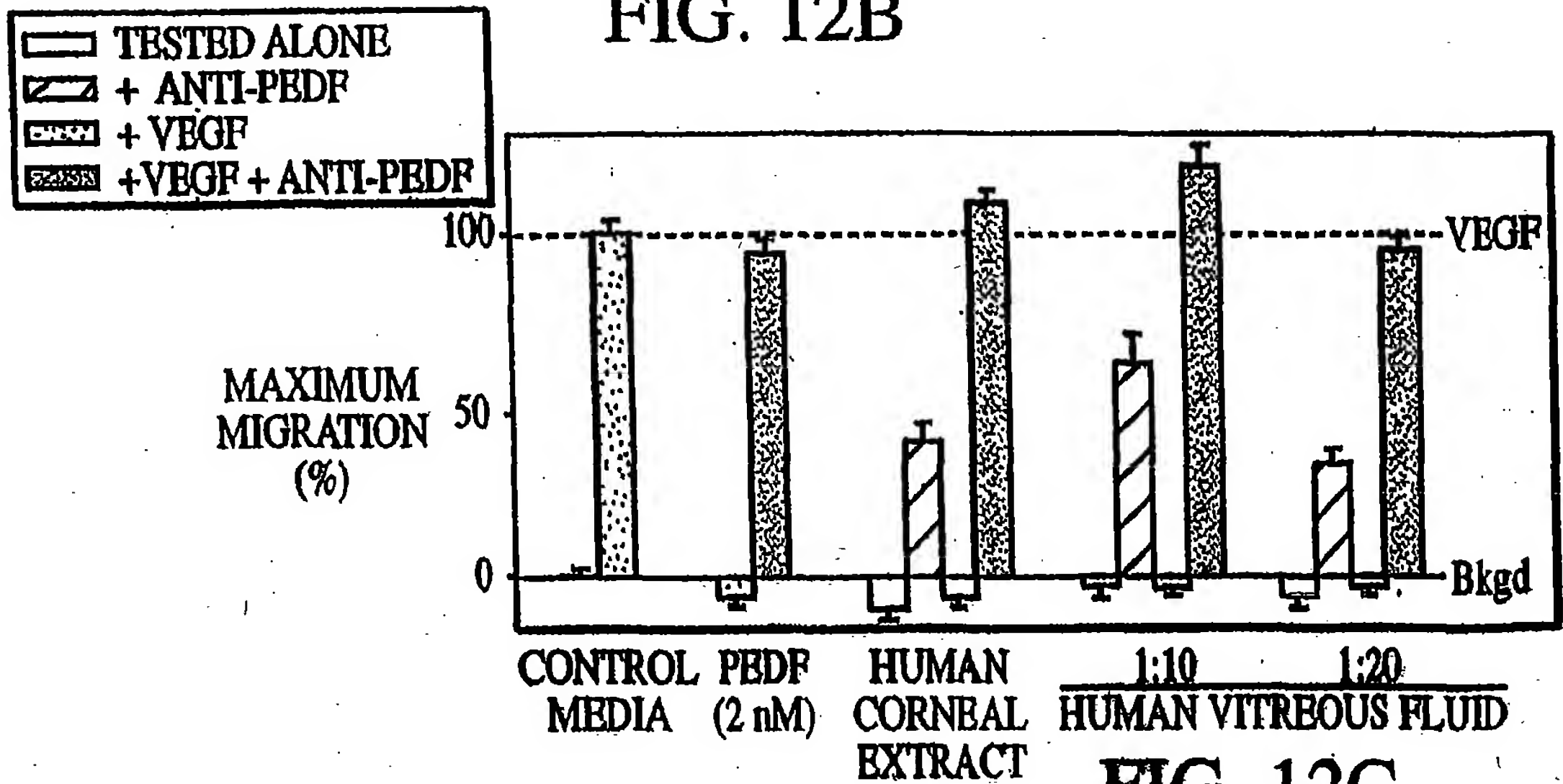


FIG. 12C



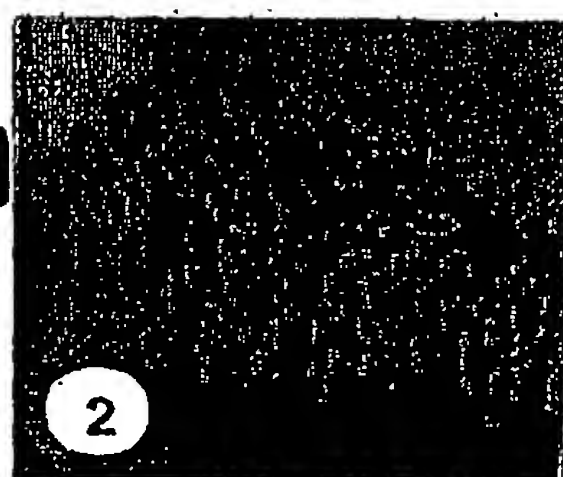
17/22

FIG. 13A

Sample	bFGF (0.15nM)	anti-PEDF (20 micrograms per milliliter)	anti-TGF-beta (50 micrograms per milliliter)	Positive Corneas/Total Implanted
1. PBS	-	-	-	0/2
2. PBS	+	-	-	8/8
3. PBS	-	+	-	5/5
4. PBS	-	-	+	0/2
5. PEDF peptide	-	-	-	0/2
6. PEDF peptide	-	+	-	1/4 <sup>a</sup>
7. rPEDF	-	-	-	0/2
8. rPEDF	+	-	-	0/3
9. pPEDF	-	-	-	0/3
10. pPEDF	+	-	-	0/3
<b>BEFORE</b>	<b>PEDF</b>	<b>REMOVAL</b>		
11. Vitreous	-	-	-	0/4
12. Vitreous	+	-	-	0/4
13. Vitreous	-	-	+	0/3
14. Vitreous	+	-	+	0/3
15. Cornea extract	-	-	-	0/3
16. Cornea extract	+	-	-	1/4
<b>AFTER</b>	<b>PEDF</b>	<b>REMOVAL</b>		
17. Vitreous	-	-	-	6/6
18. Cornea extract	-	-	-	4/4
19. Cornea extract	+	-	-	3/3

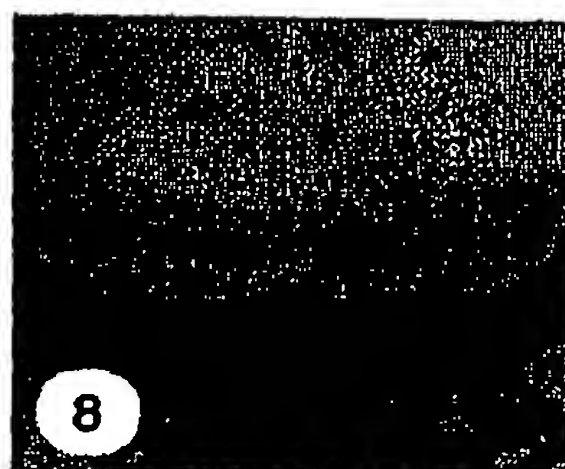
One cornea gave a mild response with a few sprouting vessels that did not reach the pellet.

FIG.13B-1



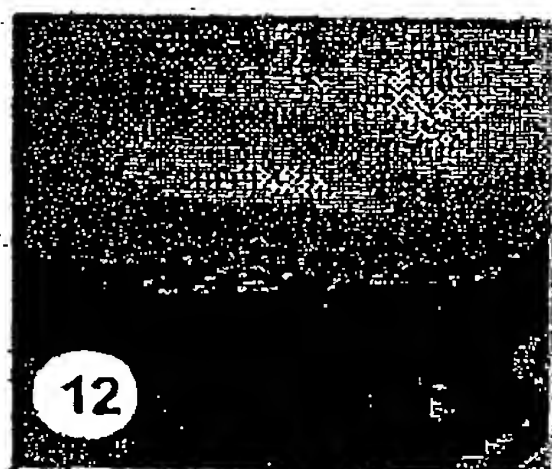
bFGF

FIG.13B-5



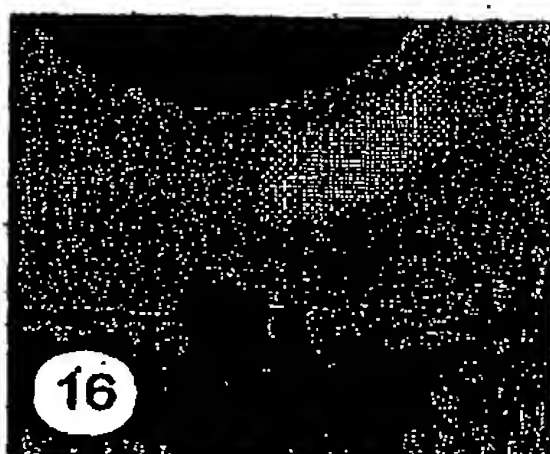
bFGF+rPEDF

FIG.13B-2



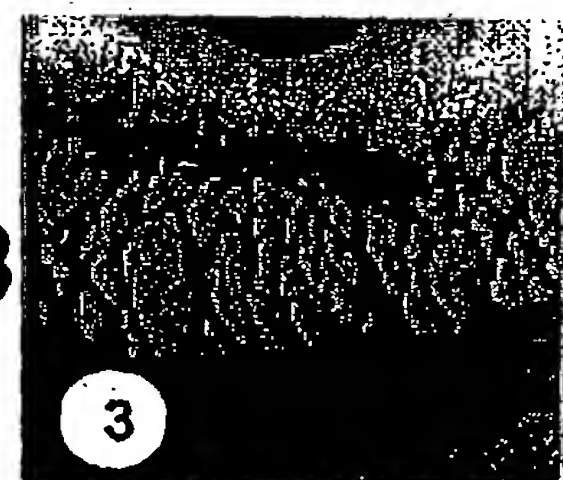
bFGF+Vitreous

FIG.13B-6



bFGF+Corneal Ext

FIG.13B-3



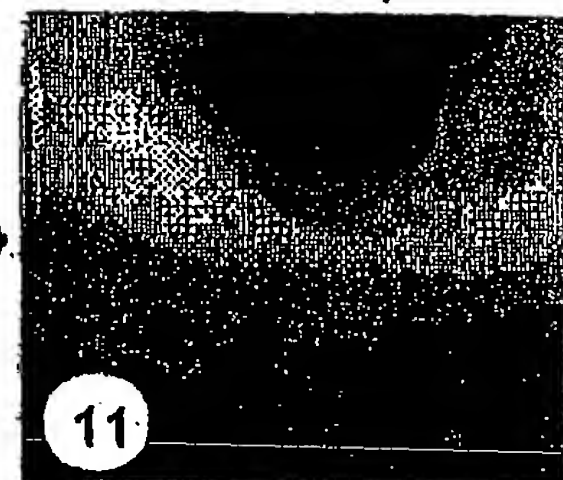
Anti-PEDF

FIG.13B-7



Anti-PEDF+peptide

FIG.13B-4



Vitreous

FIG.13B-8



Vitreous w/o PEDF

19/22

FIG.14A

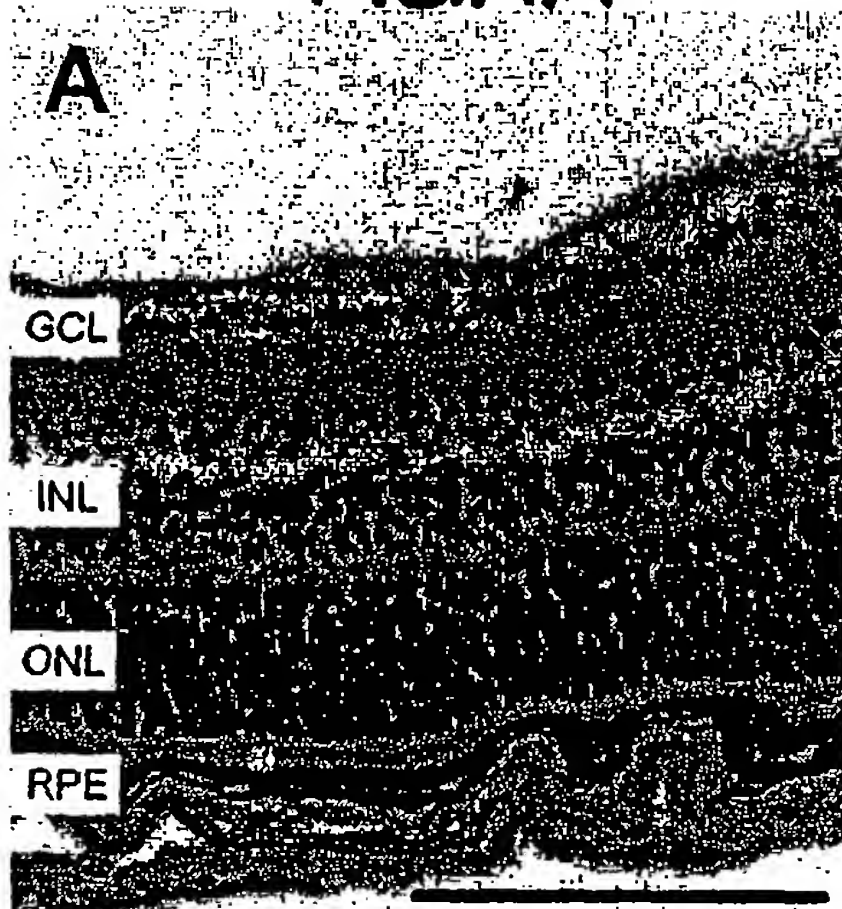


FIG.14B

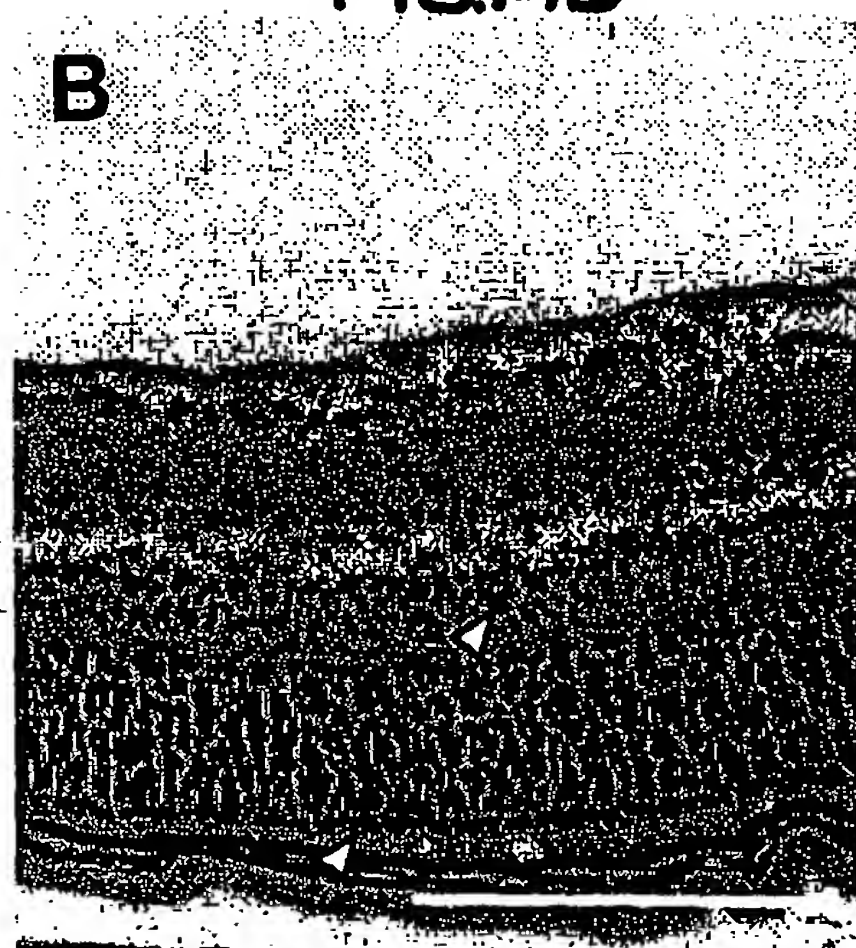


FIG.14C



FIG.14D

20/22

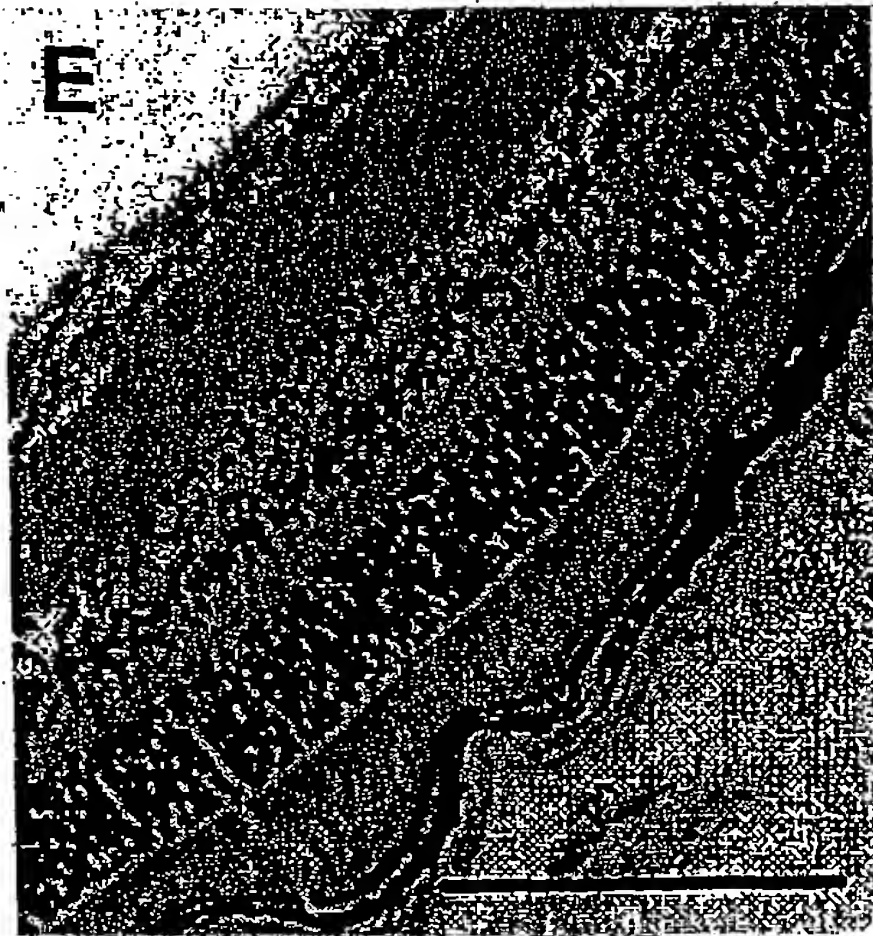


FIG.14E

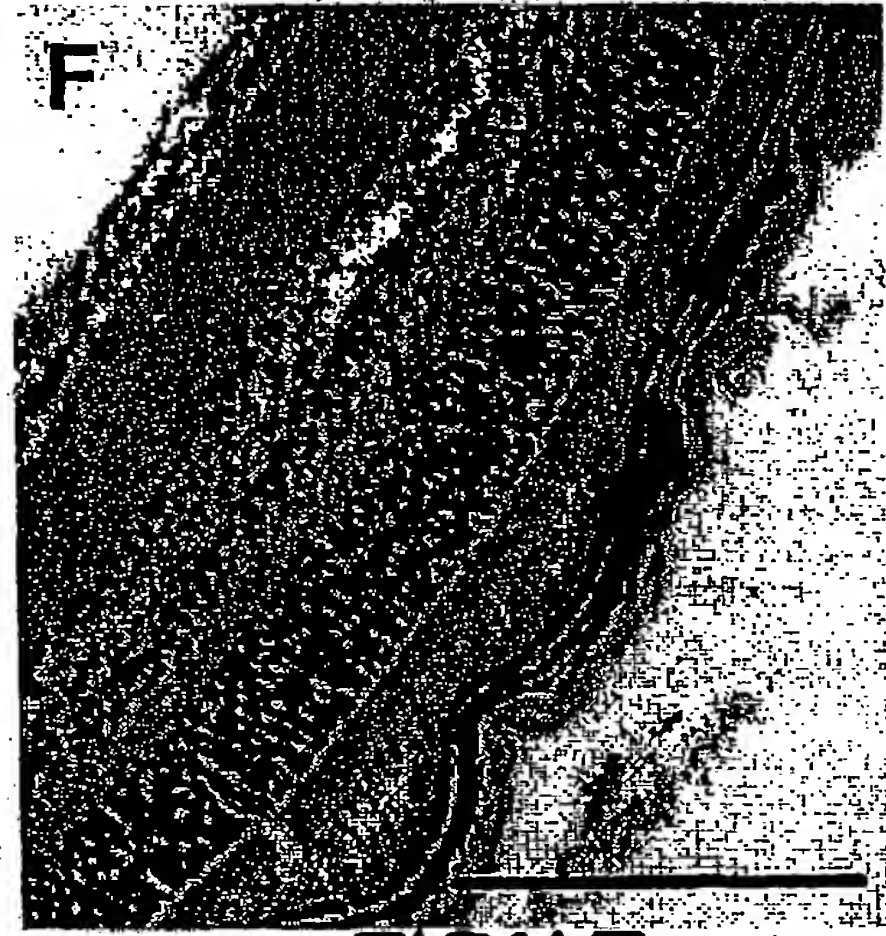


FIG.14F

2/22

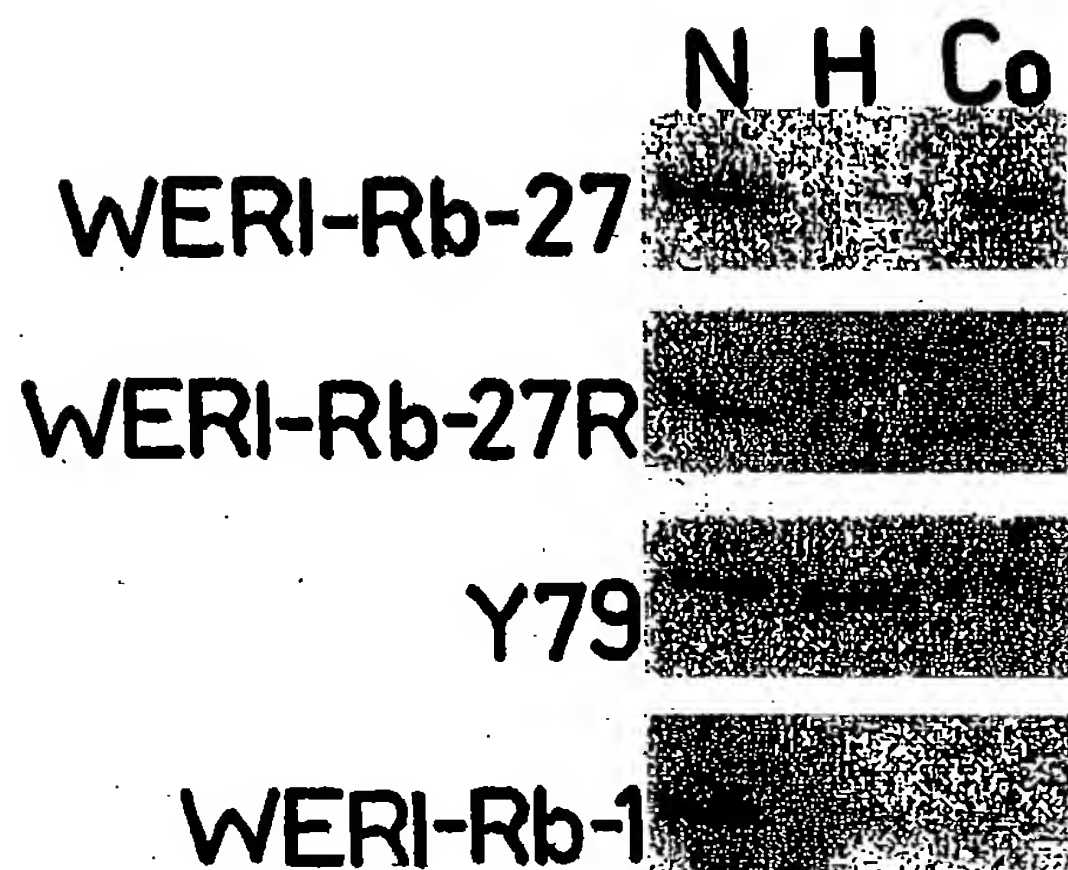
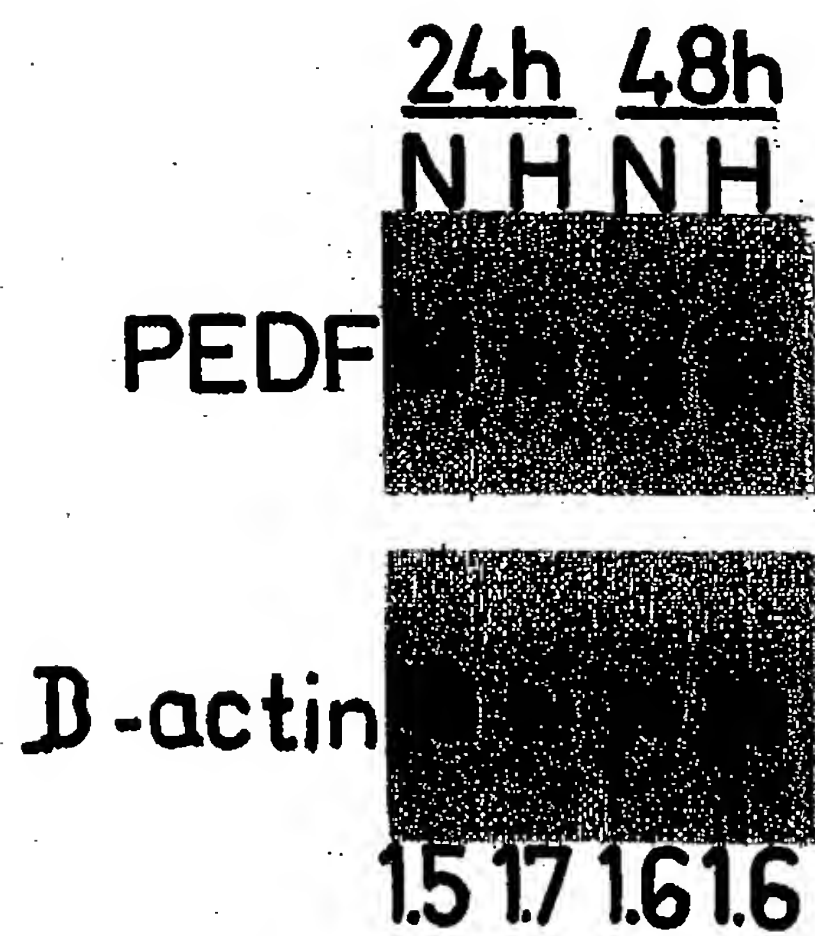


FIG.15A



1.5 1.7 1.6 1.6

FIG. 15B



22/22

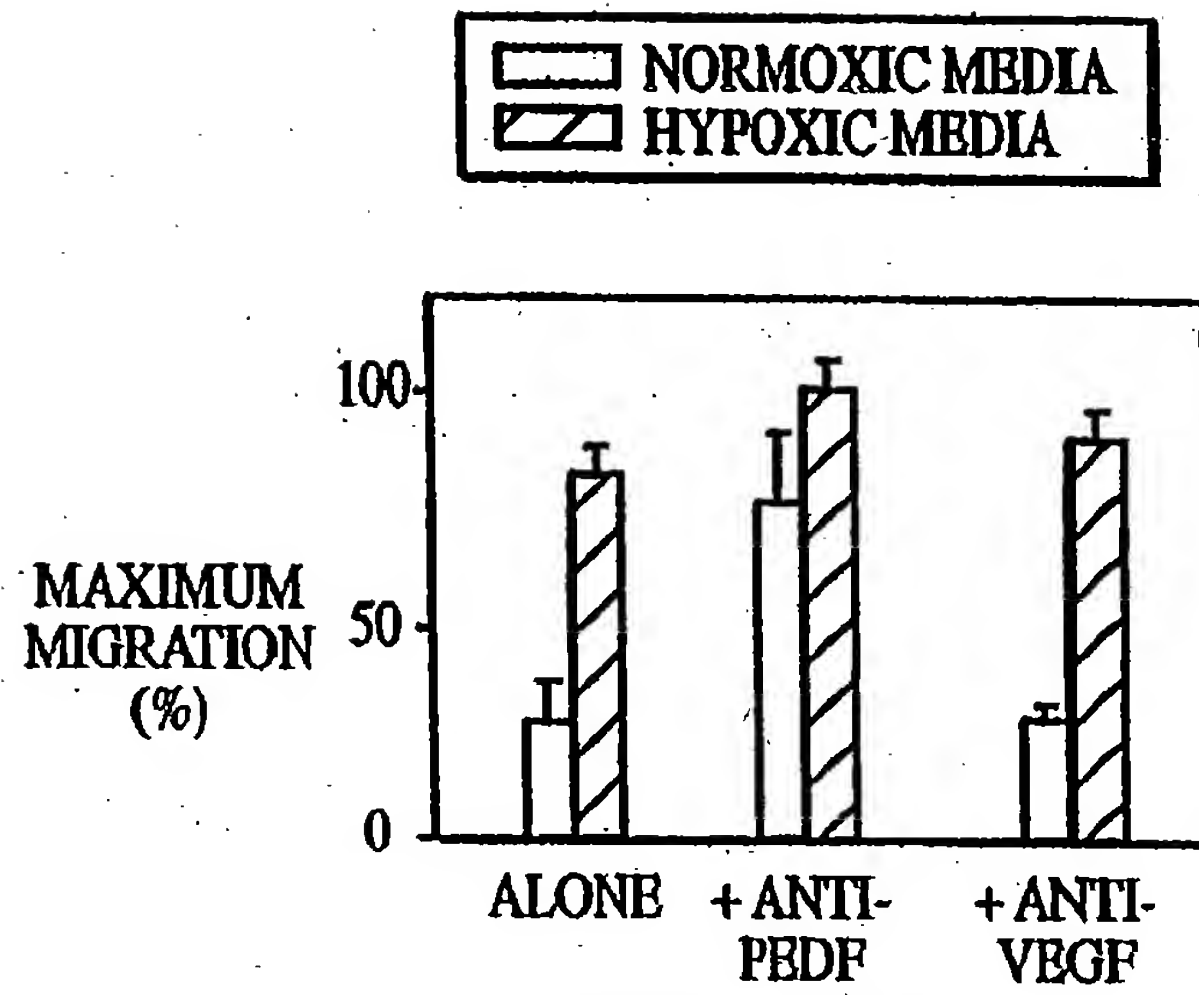


FIG. 15C